

Original/Duplicate/Triplicate
CONTRACT CERTIFICATE

SBR NO- 57/2021
Date 23/3/2021

No: Second and Part Bill

(For Other Works)

Date 23/3/2021

Division: Byatarayanapura

Sub-Division: Byatarayanapura Sub Division

Bill Received No.

Dated

Divisional

Cash Book Voucher No..... Dated.....

Sub Divisional Work Code: 006-20-000009

Schedule Docket No.

Head of Account:

Est.Cost- 199.00 Lakhs

Name of Work: Providing New Borewells and CC Roads, Drains Developments in Rachenahalli and Other Adjusted Layouts.

Name of Contractor and Full Address: Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560010

Reference to Agreement No: BBMP/EE/BTP/WO/151/2019-20

Date: 08-11-2019

Certified that the measurements were taken by me on 15-03-2021 and recorded of Pages 426970.79 of measurement Book No. 4270/17-18 and that the work is satisfactorily executed.

Contractor
Assistant Executive Engineer,
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

Officer in charge of work

Certified that the measurement were taken by me on 15/3/2021 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

II Memorandum of Payment

Sub-Division Officer

- Total value of work done or supplies made as per account within
 - Deduct amount to be held in reserve being percent Rs. 11131500.00
 - " " Balance 1st part 4646500.00
 - Deduct Payment:
 - Amount of previous payment as in the Office Cash Book Voucher 2nd part 6485000.00
- No.....Dated.....S.D. No.....
- towards cash advance recovery of
- Payments } cost store or other material supplied.
 - Now made } recovery of amount creditable to this/other work
 - Amount paid on this bill Cheque / Cash.
- Balance being unpaid value of work done held in reserve.
 - Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.
 - Net amount due to or from Contractor u
 - Advance to Contractor for materials brought to site (as detailed) within.
 - Value of Government materials supplied.

Amount adjusted	129700	00
CEST	57902	00
SGM	57902	00
CERA	64850	00
CBF	6485	00
Royalty	65161	00
FSD	324000	00
Ded.	706000	00
cheque	5779000	00

Contractor's Signature

Received Rs. (in words)

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands)

Witness

1.

2.

Dated

Paid by me by Cheque No. Bangalore

Cash Rs.

Dated.....

Initials of Officer making payment

Executive Engineer

Stamp
Signature of Contractor
6485000/-
706000/-
5779000/-

Assistant Executive Engineer,
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

31/3/21

31/3

31/03

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Providing new borewells and CC roads, drains developments in Rachenahalli and other adjusted layout

Abstract													
Item No	Description of Work	Unit	Approved Qty		Previous			Present			Total Up to Date		Remarks
			Qty.	Rate	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty	Cost	
1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer in charge	Cum	882.29	207.60	461.62	207.60	95832.00	102.36	207.60	21250.00	563.98	117082.00	
2	Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications and as per the directions of the Engineer in charge	Cum	90.71	5505.64	59.66	5505.64	328493.00	17.24	5505.64	94923.00	76.90	423416.00	
3	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs. With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machine mixed, well compacted for wall and Bottom including centering shuttering cost of materials,HOM of Machinery,Curing Etc, Complete Excluding cost of Steel as per month MORTH specification No. 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per specifications and as per the directions of the Engineer in charge	Cum	224.62	7070.20	141.31	7070.20	999099.00	37.28	7070.20	263606.00	178.60	1262705.00	
4	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and as per the directions of the Engineer in charge	tonne	14.11	72326.98	5.84	72326.98	422187.00	3.09	72326.98	223350.00	8.93	645537.00	

Item No	Description of Work	Unit	Approved Qty		Previous			Present			Total Up to Date		Remarks
			Qty.	Rate	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty	Cost	
5	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per specifications and as per the directions of the Engineer in charge. (Data Rate)	Sqm	1074.0	2337.00	376.83	2337.00	880652.00	37.58	2337.00	87813.00 87824.00	414.41	968465.00 968476.00	
6	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per specifications and as per the directions of the Engineer in charge	Sqm	43.20	5418.00	0.00	5418.00	0.00	43.20	5418.00	234058.00 234058.00	43.20	234058.00 234058.00	
7	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials separately complete as per specifications and as per the directions of the Engineer in charge	cum	848.38	1022.74	0.00	1022.74	0.00	427.89	1022.74	437618.00 437620.00	427.89	437618.00 437620.00	
8	Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications and as per the directions of the Engineer in charge	cum	1619.20	56.26	0.00	56.26	0.00	836.53	56.26	47064.00	836.53	47064.00	
9	Stone dust / Grit 4.75 mm to 0.075 mm For Road Strengthening For UGD Cut portion, complete as per specifications and as per the directions of the Engineer in charge	cum	491.46	1060.00	0.00	1060.00	0.00	257.81	1060.00	273277.00	257.81	273277.00	
10	Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications and as per the directions of the Engineer in charge	cum	491.46	2001.28	0.00	2001.28	0.00	257.81	2001.28	515946.00 515950.00	257.81	515946.00 515950.00	

Item No	Description of Work	Unit	Approved Qty		Previous			Present			Total Up to Date		Remarks
			Qty.	Rate	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty	Cost	
11	Compaction of original ground by mechanical means including filling in depression occurring during rolling including cost of all labour, HOM complete as per specifications and as per the directions of the Engineer in charge	Sqm	4242	6.36	0.00	6.36	0.00	2029.52	6.36	12908.00	2029.52	12908.00	
12	Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications and as per the directions of the Engineer in charge	cum	636.28	5408.12	0.00	5408.12	0.00	320.92	5408.12	1735550.00 1735574.00	320.92	1735550.00 1735574.00	
13	Cement concrete pavement. Construction of un-reinforced plain cement concrete pavement using a grade concrete M30 over a prepared base with OPC coarse aggregate @ 0.69cum, fine aggregate @ 0.46cum, coarse and fine aggregate conforming to IS:383-2016, with superplasticiser @3lts conforming to IS9103-2008 mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rammers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour, hire charged of machines, all lead and lift charges etc., complete as per specifications and as per the directions of the Engineer in charge	Cum	636.28	5210.96	0.00	5210.96	0.00	321.71	5210.96	1676418.00 1676406.00	321.71	1676418.00 1676406.00	

Item No	Description of Work	Unit	Approved Qty		Previous			Present			Total Upto Date		Remarks
			Qty.	Rate	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty	Cost	
14	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Verner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Water in the vicinity, its quality 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc., complete as per specifications and as per the directions of the Engineer in charge	Each BW	2.00	1938.46	2.00	1938.46	3877.00	0	1938.46	0.00	2.00	3877.00	
15	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) complete as per specifications and as per the directions of the Engineer in charge	Rmtr				0.00	0.00			0.00	0.00	0.00	
	0 to 50 m	Rmtr	100.00	315.18	100.00	315.18	31518.00	0		0.00	100.00	31518.00	
	50 to 100 m	Rmtr	100.00	412.00	100.00	412.00	41200.00	0		0.00	100.00	41200.00	
	100 to 150 m	Rmtr	100.00	458.35	100.00	458.35	45835.00	0		0.00	100.00	45835.00	
	150 to 200 m	Rmtr	100.00	484.10	100.00	484.10	48410.00	0		0.00	100.00	48410.00	
	200 to 250 m	Rmtr	100.00	560.32	100.00	560.32	56032.00	0		0.00	100.00	56032.00	
	250 to 300 m	Rmtr	100.00	600.49	100.00	600.49	60049.00	0		0.00	100.00	60049.00	
16	Supply of ISI mark 175 mm nominal bore, Plain end steel casing pipe - grade of Steel Fee 410 of wall thickness 5.4mm thick conforming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and conforming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7 mts both ends threaded conforming to IS 554/1985, one end fixed with socket conforming to IS 4270:2001 and the other end with screwed pipes ISI Marking weighing 25.10K/g/mtr (Inclusive of all taxes and duties) Prices include Collar-medium duty complete as per specifications and as per the directions of the Engineer in charge	Rmtr	140	1325.00	140.00	1325.00	185500.00	0		0.00	140.00	185500.00	

Item No	Description of Work	Unit	Approved Qty		Previous			Present			Total Upto Date		Remarks
			Qty.	Rate	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty	Cost	
17	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor conforming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100V as per IS-694:1990 & conforming to GTP of GROUP-A. P. No. 12 / 1 No. 2.10.4(1) 3C x 4 Sqm mm complete as per specifications and as per the directions of the Engineer in charge	Mtr	1080	126.70	1080.00	126.70	136836.00	0	126.70	0.00	1080.00	136836.00	
18	Labour charges for erection as new / repaired submercible pumpset along with GI pipe (32/50mm) cable (new submercible pumpset if required will be supplied by the department free of cost and released pumpset should be handed over to department including transportation (Each length=6.00) complete as per specifications and as per the directions of the Engineer in charge	Per Length	90	88.00	90.00	88.00	7920.00	0	88.00	0.00	90.00	7920.00	
19	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., complete as per specifications and as per the directions of the Engineer in charge	Each	2	302.00	2.00	302.00	604.00	0	302.00	0.00	2.00	604.00	
20	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized steel strip (except 2CX10Sq.mm wire armoured) conforming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & conforming to GTP of GROUP-A, complete as per specifications and as per the directions of the Engineer in charge	Mtr	60	140.40	60.00	140.40	8424.00	0	140.40	0.00	60.00	8424.00	
21	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stone ware pipe / on wall / on pole as required. In existing trench/duct complete as per specifications and as per the directions of the Engineer in charge	Mtr	60	10.80	60.00	10.80	648.00	0	10.80	0.00	60.00	648.00	
22	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete as per specifications and as per the directions of the Engineer in charge	Mtr	50	85.00	50.00	85.00	4250.00	0	85.00	0.00	50.00	4250.00	

Item No	Description of Work	Unit	Approved Qty		Previous			Present			Total Upto Date		Remarks
			Qty.	Rate	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty	Cost	
23	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV complete as per specifications and as per the directions of the Engineer in charge	Mtr	8	345.00	8.00	345.00	2760.00	0	345.00	0.00	8.00	2760.00	
24	Supplying and fixing L. T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., complete as per specifications and as per the directions of the Engineer in charge	No.	2	280.00	2.00	280.00	560.00	0	280.00	0.00	2.00	560.00	
25	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia, complete as per specifications and as per the directions of the Engineer in charge	No	2	2727.00	2.00	2727.00	5454.00	0	2727.00	0.00	2.00	5454.00	
26	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers, complete as per specifications and as per the directions of the Engineer in charge	No.	12	180.00	12.00	180.00	2160.00	0	180.00	0.00	12.00	2160.00	
27	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required conforming to IEC 60898. 5-32Amps Group A TPN complete as per specifications and as per the directions of the Engineer in charge	No	2	1547.00	2.00	1547.00	3094.00	0	1547.00	0.00	2.00	3094.00	

Item No	Description of Work	Unit	Approved Qty		Previous			Present			Total Upto Date		Remarks
			Qty.	Rate	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty	Cost	
28	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete complete as per specifications and as per the directions of the Engineer in charge	Sq.Cm	46800	0.33	46800.00	0.33	15444.00	0	0.33	0.00	46800.00	15444.00	
29	Earthwork excavation for pipeline trenches including depoiting or bank up to a lead of 50 mtrs including shirry and statting danger lighting and using site rails and boning poles at every 100 mtrs wherever necessary as directed in th following struecture manhole,complete as per specifications and as per the directions of the Engineer in charge	Cum	675	188.00	675.00	188.00	126900.00	0	188.00	0.00	675.00	126900.00	
30	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and including lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe around to a depth Not less than 15cm with grave or selected earth avalabile from the excavation Etc., complete as per specifications and as per the directions of the Engineer in charge	Rmtr	1500	123.00	1500.00	123.00	184500.00	0	123.00	0.00	1500.00	184500.00	
31	Refilling the basement and pipeline treanches with seclcted available earthe for trench excavation including authority condition in layers from thedi including disponary of the sunplus earth with a heavy 200 mtrs complete as per specifications and as per the directions of the Engineer in charge	Cum	675	61.00	675.00	61.00	41175.00	0	61.00	0.00	675.00	41175.00	
32	Code No. 3008 Providing 250mm dia PVC Pipe 10kg/cmcomplete as per specifications and as per the directions of the Engineer in charge	Rmtr	36	2203.39	36.00	2203.39	79323.00	0	2203.39	0.00	36.00	79323.00	
33	Providing and fixing Borewell Cap and Clamp Set complete as per specifications and as per the directions of the Engineer in charge	Set	2	1800.00	2.00	1800.00	3600.00	0	1800.00	0.00	2.00	3600.00	

Item No	Description of Work	Unit	Approved Qty		Previous			Present			Total Upto Date		Remarks
			Qty.	Rate	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty	Cost	
34	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calama/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for operation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required accessories such as suction, casing suction strainers sand guard Non return valve etc. complete. The pump and motor shall form an integral unit with all the required fittings 12.50 HP 25 stage. ATALANTA< SUGNA< CRI, KIRLOSKAR and other Equivalent Pumps complete as per specifications and as per the directions of the Engineer in charge	No	2	56414.00	2.00	56414.00	112828.00	0	56414.00	0.00	2.00	112828.00	
35	Providing GI Pipe 50 mm 'B' Class Pcomplete as per specifications and as per the directions of the Engineer in charge	m	520	415.00	520.00	415.00	215800.00	0	415.00	0.00	520.00	215800.00	
36	Providing Collar 50 mm complete as per specifications and as per the directions of the Engineer in charge	No	90	180.00	90.00	180.00	16200.00	0	180.00	0.00	90.00	16200.00	
37	Providing and fixing 50mm nominal bore gun metal non-return complete as per specifications and as per the directions of the Engineer in charge	Nos	2	1800.00	2.00	1800.00	3600.00	0	1800.00	0.00	2.00	3600.00	
38	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete.- for 50mm dia:complete as per specifications and as per the directions of the Engineer in charge	Each	2	222.60	2.00	222.60	446.00	0	222.60	0.00	2.00	446.00	
39	Providing outdoor panel upto 15.00 HP complete as per specifications and as per the directions of the Engineer in charge	No.	2	15500.00	2.00	15500.00	31000.00	0	15500.00	0.00	2.00	31000.00	

